



354443

JAN 26 1981

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Exhibit A:

This application is submitted to comply with Rule 903 (a) of Chapter 3 of the Illinois Pollution Control Board Rules and Regulations.

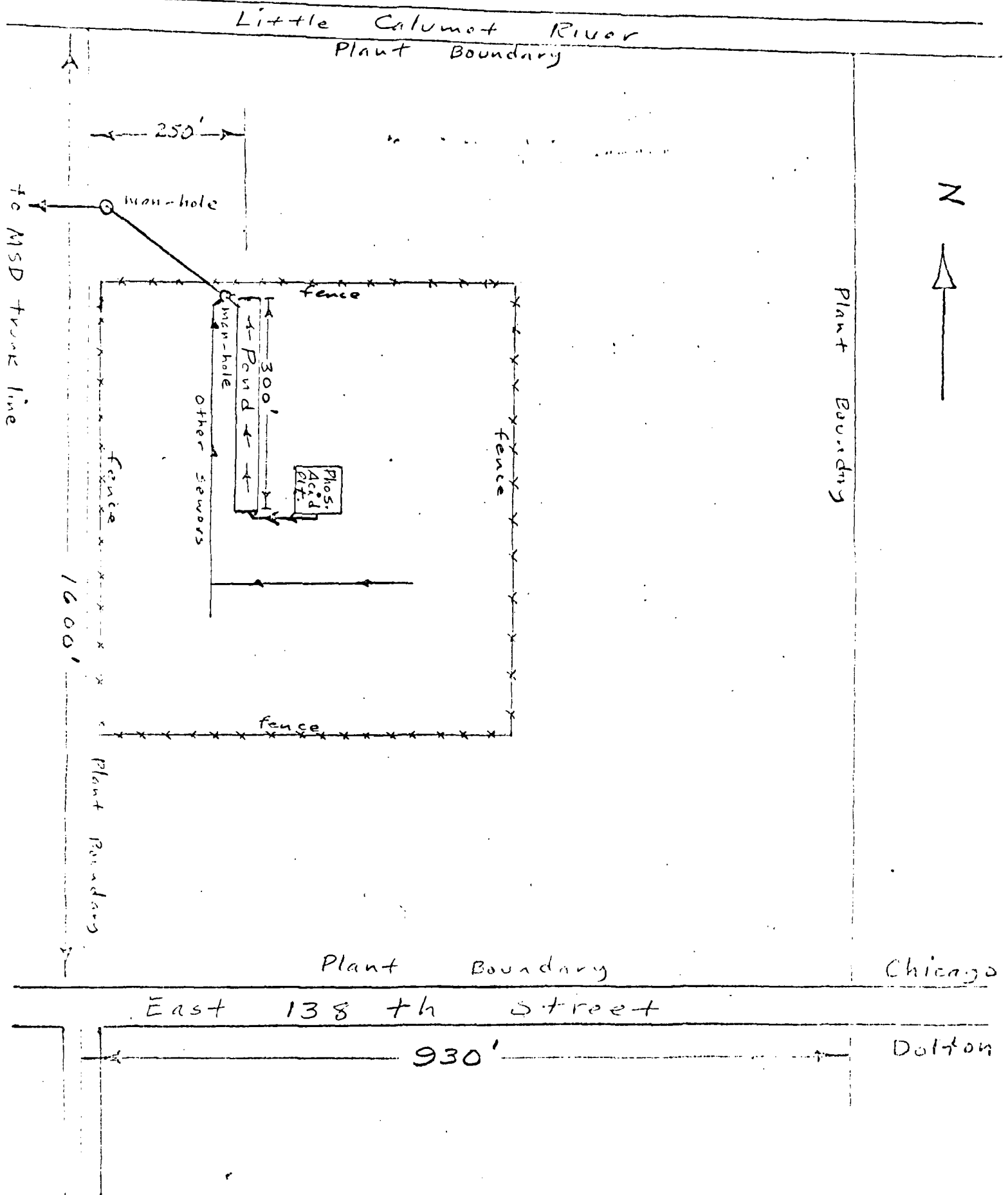
This application is for an operating permit for an existing water treatment plant, used strictly for an industrial waste water. This water treatment plant is very simple, consisting of an elongated settling pond, with the overflow going to a sanitary sewer owned by the Metropolitan Sanitary District of Greater Chicago. All other sewers within this industrial site also go into the same sanitary sewer.

Because of the simplicity of this existing water treatment plant, it was decided that the services of a registered P.E. were unnecessary for the submitting of this application.

This operating permit application is for a settling pond with dimensions of 300 feet in length, 20 feet in width, and 3 feet in depth. The sides and bottom of this pond are clay soil. A sketch of the pond is included in this application.

This settling pond received backwash water from the filtering of food-grade phosphoric acid. The filter is backwashed periodically, 3 to 5 times per day, and the backwash water, containing filter sludge and a small amount of phosphoric acid, is pumped into one end of the elongated settling pond. The backwash water flows down the entire length of the pond, allowing all of the solid sludge to settle out. The overflow to the sanitary sewer is clear water, which mixes with the rest of the sanitary sewer flow from this industrial site. The resultant combined sanitary sewer stream leaves this industrial site through one line connection to the M.S.D. system. This stream complies with Rules 701, 702, and 705, and all M.S.D. rules. The M.S.D. has extensively monitored this stream.

The solid filter sludge which settles out in the pond is composed primarily of diatomaceous earth filter aid and a small amount of insoluble arsenic sulfide. This sludge is removed from the pond annually and deposited in an approved sanitary landfill by a contractor licensed to handle waste materials.





STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

MESSAGE

REPLY

To: Ecology + Environment, Inc.
223 W. Jackson Blvd.

From: Chicago 60606

attn: Ellen Jureczak

Date: Ed Marek 1-23-89

- ☐ TAKE NECESSARY ACTION
- ☐ FOR YOUR APPROVAL
- ☐ APPROVED
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- ☐ RE-DO AND RE-SUBMIT
- ☐ FOR YOUR COMMENTS
- ☐ FOR YOUR INFORMATION
- ☐ FOR YOUR SIGNATURE
- ☐ DRAFT (LETTER) (MEMO) FOR (MY) (YOUR) SIGNATURE
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Comments:

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